

PATENT ABSTRACTS OF JAPAN

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(54) DISTRIBUTED HYPER MEDIA SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress the load of directory server or network in a distributed hyper media system formed for possessing node link structure to be presented for supporting the navigation of user from the directory server.

SOLUTION: A browsing device 40 is provided with a cache 18 for storing the node link structure acquired from a directory server 20. When the acquisition of contents of a certain node is requested from the user through an input part 11, a contents possessing part 13 acquires the contents of the relevant node from a distributed hyper media space 0 and a contents output part 12 outputs these contents to the user. At the same time, a communication part 15 for directory server first acquired only the node link structure within the range linked from this acquired node less than the prescribed number of link steps from the cache 18 but only when the node structure does not exist in the cache 18, it is possessed from the directory server 20 and a node link structure display part 14 makes this node structure into graph and presents it for the user.

